

Scope of Work

West Sulphur Mountain Fire Guard

Mechanical Thinning Unit 1 (Approximately 74 ha)

1.0 Overview

Provide mechanical thinning services to Parks Canada (Parks) for the Clearing Operations (Includes harvesting, skidding to landings and processing to tree length, in-block roads, disposal of non-merchantable timber and final reclamation) and hauling of merchantable timber to designated mill from proposed Area # 1 of the West Sulphur Fire Guard in Banff Alberta. Refer to project maps.

2.0 Scope of work

- Develop access (where required) for mechanical thinning operations along the Mechanical Area # 1 footprint.
- Review clearing boundaries with onsite clearing coordinator.
- Develop a site specific Environmental Protection Plan that follows attached Banff Field Unit guidelines as per direction from a Parks Canada representative:
- Debris Management Guidelines (Woody/Vegetative Debris Management) Annex 3.
 - Vegetation Removal and Restoration / Reclamation Guidelines Annex 4.
 - Guide To Log Haul in Alberta.
- Review retention patches with onsite clearing coordinator.
- Follow Mechanical Thinning protocol for Area # 1 regarding timber retention, timber removal/reduction and timber disposal. (As per the Fuel Modification Prescription Document Annex 2).
- Hand clearing is not part of this project.
- All salvageable timber is to be process at the identified landings. No timber is to be processed at the stump.
- All salvageable timber is to be skidded to the designated landings.
- Hauling of merchantable timber to an approved location.
- Timber hauling is to be completed during hours that the Cave and Basin is closed (Monday-Tuesday 24h access) and Weds-Thursday after 6:00pm and before 7:00 am to avoid visitation at the Cave and Basin and traffic in the Town of Banff. Hauling will not be allowed on Fridays, Saturdays or Sundays.
- Mechanical Clearing operations are proposed to start on Tuesday January 15, 2019.
- Abide by quality expectations and specifications for the timber mill (If Required).
- Development of landings for storage of timber for on-site use during and after construction, as directed by Parks.

- Non-Merchantable timber that can be used as firewood, as per Sulphur Mountain Fuel Modification Prescriptions (Annex 2) will be transported to a designated location by the Parks Canada Representative.
- Development and maintenance of in-block roads during mechanical thinning operations, as directed by Parks.
- Must work with Parks and other crews that could be working in the area.
- Capacity to harvest, skid, process and deliver timber to designated location.
- Low impact equipment for harvesting operations is preferred.
- Conduct activity in compliance with Parks safety and environmental requirements and plans.
- The main paved road from the Cave & Basin to the proposed area will be used for access. This road will be maintained as per the direction of Parks.
- All sensitive areas (IE garbage cans, rocks, signs) will be flagged or moved to avoid any damage by equipment.

3.0 Contractor General Requirements and Services

- Provision of personnel, including on-site supervision and trained/qualified operators.
- Provision of equipment that can clear vegetation in typical locations and environmentally sensitive areas, i.e., tracked and wheeled equipment, low ground pressure equipment.
- Provision of skidders and processing equipment.
- Provision of log haul trucks and loading equipment.
- All equipment must be clean prior to arrival on site, subject to inspection prior to deployment.
- Clearing equipment will require cleaning when moving from one site to another (as directed by Parks).
- Ability to coordinate and deliver timber as per any scheduling requirements.
- Provision of satellite yards.
- Provision of expertise during log haul activities, including tracking, scheduling, logistics and reporting.

4.0 Contractor Safety Requirements

- COR/SECOR
- Site Specific Safety Plan / OHS Program
- Emergency Response Plan
- WCB coverage in good standing
- Trained and certified operators and supervisory staff

5.0 Equipment

- Contractors will identify the equipment that will be utilized for clearing, hauling and disposal activities.

6.0 Project Maps, Timber Assessment and Harvest Planning Report

- *Annex 1*

7.0 West Sulphur Mountain Fuel Modification Prescriptions

- *Annex 2*

8.0 Debris Management Guidelines

- *Annex 3*

9.0 Vegetation Removal Guidelines

- *Annex 4*

10.0 Fire Best Management Practices

- *Annex 6*

11.0 Basic Impact Analysis

- *Annex 7*